Telegrams:
"LODGE, NORMANTON, AMESBURY."
Station for Goods: AMESBURY.
Telephone: 42 AMESBURY.

NORMANTON,
LAKE,
SALISBURY.

14. Mch 1922

Dear Mr. Maunder

Thanks for your
suggestion
in this recommendation
for a Shortened form
of
Words. I don't
think I shall
adopt it as
I prefer the
full form
of
words
as
they
are
in
the
Prayer
Book
but
I
will
kindly
remember
your
suggestion
should
I
ever
have
occasion
to
use
it.

Yours truly
Oliver Lodge

ISO

30/.

Telephone No 68.

THE UNIVERSITY,
EDMUND STREET,
BIRMINGHAM.

13 May 1959.

Dear Silvanus,

I have just seen that you are going to give the Students a Lecture on Monday.

Unfortunately I have arranged to go to London from Monday to Wednesday, so that I am afraid I shall miss your visit, and not be able to put you up.

I expect however that you are staying with one of the Engineers — probably Kapp.

You will, I am sure, understand that the my arrangement was made some time ago, before I knew anything of your possible visit.

I wish I could have been up this week instead, but I have been full of business here. I should have liked to have gone to the

DSI

Royal Society Soiree,
likewise to the Royal Society
Meeting this afternoon,
and also to have heard Hale
at the R.I. on Friday.
But it has all been
impossible.

I feel sure they will
give you a good reception,
though this Term is not the
best by any means for
lectures. Yours ever truly,

Oliver Lodge

"LODGE, NORMANTON, AMESBURY."
TELEGRAMS:
STATION: AMESBURY.

NORMANTON,
LAKE,
SALISBURY.

17 February 1921

Dear Sir

I cannot undertake to be in London in april. I recommend Sir William Barrett as the oldest living pioneer in psychic research & a well-known & distinguished worker, as one of the chairmen; & either Dr. Abraham Wallace of Harrow, or Sir Lawrence Jones Bart. of 39, Harrington Gardens, S.W.7 for the other.

Yours faithfully

Oliver Lodge

Gerald Christy Esq

DSI

Sir Oliver Lodge

The University,
Birmingham.

30 Oct. 1912.

My dear Principal,

So many Colleagues are ill just now that a great deal of extra work falls upon me, and I am unable to undertake any outside duties except the very necessary ones.

I had promised to go to Bristol to speak for the W.E.A. there, but at the last moment was prevented from going. And I am afraid that if I tried to fix to go to Newcastle I should be in the same predicament. Hence, although I think the matter somewhat important, I do not think I could promise to come, and I think the best way is to say so from the first.

If you get Temple and Mansbridge (as no doubt you will)

Lodge 7/6

331

DSI

You will have two excellent speakers who will stimulate things a good deal.

Yours very truly,

Oliver Lodge

Letter
2.10

BIRMINGHAM
9.15PM
NOV20 11B

H. Stanley Allen, Esq.

King's College,

London.

UNIVERSITY OF BIRMINGHAM

ISO

The University,
Birmingham.

20 Nov. 1911.

Dear Mr. Allen,

I have no doubt myself that Mass ought to be defined as ratio of Force to Acceleration, and that Force ought to be defined in some primary statical manner without reference to either Mass or Acceleration. (The difficulty is to give a purely metrical to statical definition.)

I have said this from time to time, but to say it again in "Nature" with any satisfaction would take a little time, which at present I can ill spare.

Accordingly I do not know that I shall join in the controversy, but we shall see.

Yours faithfully,

Oliver Lodge

DSI

experiments to a number of masses taken in pairs, and finding that the results are consistent." But unfortunately the results are not consistent if we extend our experiments beyond the range realised in Hicks's balance to cases where the relative velocity is comparable with that of light.

The reviewer speaks of the desirability of finding an absolute measurement for force, by which I understand him to mean a scale which shall be independent of the behaviour of any particular body. This is it may be desirable but so far possible as I can see it is not possible if we take into account the change in mass with velocity? The tendency of modern scientific discussion is to emphasise the relativity of our knowledge and it would appear that force & mass are no exception to the general principle

As the reviewer has penetrated the modest cloak of my initials, I subscribe myself H. S. Allen

1911

KING'S COLLEGE SENIOR COMMON ROOM LONDON.

I am greatly indebted to your reviewer for his courteous reply to my request for a definition of mass apart from force. in Nature for Nov 16

I am glad to find that as regards the qualitative definition we are in substantial agreement. As regards a quantitative definition it is, as he points out, obvious that it is meaningless to define unit force as that which produces unit acceleration in unit mass, and then to define unit mass as that which acquires unit acceleration under the action of unit force.

of our time, present in my thoughts in asking for a defn of mass and the cause of my interpellation,

We must select one or other of these alternatives, and a system of measurement sufficiently consistent for ordinary practical use can be based upon either alternative. It is not my intention to reopen the old controversy as regards ~~the~~ the so-called engineering and scientific units. That is a question that can be settled mainly from considerations of practical convenience.

But from the theoretical point of view it is important to consider whether we are to define mass in terms of force or force in terms of mass. The real difficulty is suggested in the last sentence of my letter. Though many physicists have been disturbed by the introduction of the notion of the mass of a quantity of matter depending on velocity yet that ~~[illegible]~~ now is generally accepted upon the velocity with which it is moving. Thus Prof Schuster in his lectures on 'The Progress of Physics' ~~writes~~ (p104) says:-

---

Your reviewer suggests that two masses be isolated and allowed to interact in any way (Note the implication of the idea of force in the phraseology that must be used). He then defines the ratio of the masses as being numerically equal to the inverse ratio of the accelerations, and proceeds 'We may prove that the definition is valid by extending the

Mariemont,
Edgbaston.

11 Feb. 1907.

Dear Dr. Savage,

I am given to understand that you are coming over to England in May. It will be a great pleasure to see you. You require no introduction in this Country.

Please let me know before you arrive; and come on here, as soon as you can, from Liverpool or Southampton, whichever it is. We are three hours from Liverpool.

I will enclose a cab-card. Yours very truly,

Oliver Lodge

Eq Inventory
Tent, 5'x8'
3 ea

DSI

VICTORIA UNIVERSITY

FROM PROFESSOR LODGE.

UNIVERSITY COLLEGE,
LIVERPOOL.

12. Dec 98

My dear Thompson

Best thanks for the Tesla which has arrived.

Our mains are now at 230 volts instead of 110. Its often a nuisance. Do you happen to know whether the Tesla will be safe against damage with the higher voltage?

I was very sorry not to see you — & especially for the

cause — I wanted to thank you for your Faraday book. Its very interesting & well done. What an industrious chap you are! I hope you are better.

I find I was mistaken about Stevens in my Inst E E proof of paper & am amending it. I thought he had actually signalled at the Shetland — but it was not so.

Yours ever
GL

DSI

UNIVERSITY CLUB,
SANDON TERRACE,
LIVERPOOL.

3 Dec 47

Dear S.P.T.

I see in today Times a brief report of your lecture. Let me thank you for your kindly references & for the discriminating way in which you instruct the public regarding Marconi. I have no

DSI

hostility to that young man
& consider that he has
done good service by
stirring up everybody
to take interest in the
subject.
I think Prence might have
known better, but I expect
it was largely ignorance

with him.

Privately I may tell you
that I believe I now have
a plan which will signal
for the Antipodes
or to any ship on the Atlantic.

but I will hold my tongue until
it is established.
These Xmas lectures are coming a little
bit too soon.

Yours ever
OJL

17.50
Spiritualist

149

29. September 1884

Dear Mr. Berncastel

I much regret that my absence in America has prevented my receiving your note till now, just as I have returned, too late I fear for your purpose.

But if it be not too late

DSI

I shall have the very greatest
pleasure in expressing
my good opinion of you
both as a student & a
gentleman to whomsoever it may
enquire.

I trust you will be successful
with the Intermediate next
year & that you have
already obtained the kind
of post you wished for.

I shall rejoice to see you
back at the College when
the proper time comes
& if this letter is of any
use to you so much the better.

I am Faithfully Yours
Oliver J. Lodge

R. Berncastel Esq.

Mariemont,
Edgbaston.

26 July 1912.

Dear D'Arcy Thompson,

Many thanks for your reply to my confidential letter of enquiry. I have written to accept Principal Donaldson's kind invitation, except that I have told him that my wife will probably be coming too, in which case it may not be convenient. So to that extent it is still open.

I

I gather from your letter that the distance from Dundee to St. Andrews is nothing excessive.

I had no idea that motors could run between the two places.

Yours very truly,

Oliver Lodge

DSI

Mariemont,
Edgbaston.

2 Jun 1905

Dear Sturtevant

(no I always decline

autographs, & tear strangers

letters up — so I must ask

by you

Oliver Lodge

ISO

VICTORIA UNIVERSITY

UNIVERSITY COLLEGE,
LIVERPOOL.

14 · Jan 1894

Dear Sir William Flower

Permit me to introduce

to you our Principal

Mr. G. H. Rendall who would

like to consult you concerning

an appointment in this

city. Faithfully Yours

Oliver J Lodge

DSI

River Lodge

18 June 1937

ISO

Bristol Physicists

Cat 9¢
80¢

Prof. Stirling

The University

Manchester

2.30 P.M.
JU
05

DSI

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de

Lodge

Oliver Joseph

OBSERVATIONS

1) *L.a.s (E) 1 p. 4° Mariemont, 2. II. 1905*

Über Autographen, an Prof. Sterling.

Aus Sammlung H. Loewenfeld.

2) L.a.s. 2 p.4°, Mariemont, Edgbaston, 26. Juli 1912, an d'Arcy-Thompson, in Angeleg. einer Einladung durch Donaldson.

1./

L o d g e , Oliver Joseph.- Dr. Sc. 1877.- 1879 Assist. Prof. der angew. Matjem. am Univ.-College in London, jetzt Principal d. Univers. in Birmingham England, FRS 1887 Min 1902/" 1875 Lehrer d. §Natural Philosophy" am Bedford College, 1879,. Trat 19 in d. Ruhestand.- Geb. 1851, Jun. 12, Penkuhull- Staffordshire, England.

Neueste Anschauungen über Elektr: tric./ nach d. 2 Ed. d. Originals übers. v. Anna v. Helmholtz & Estelle du Bois-Reymond, herausgeg. v. Rich. Wachsmuth, 539 p. Leipzig, 1896.-

Schrieb noch in .-

Brit. Ass. Rep.- Seat of t. elektromotive forces in t. voltaire cell. 65 p./1884/.- Elektrolysis 50 p./1885/.- Elektrolysis in its phys. & chem. bearings, 152 p./1886-92/.- Possibility of calculating tables of certain mathem. funct. 6 p./1889-93/.-

Cambridge, Ph. Soc. Trans.- Exper. on t. oscillat. discharge of an air condenser.- determ. of "v" /mit R. T. Glazebrook, 61 p./18, 1900/.-

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Manual of elementary mechanics, 200 p.,8°,Edingburgh, 1879.- Brit.Ass.Rep.-High insulated key for electrometer works, 2 p. /1880/.-

Nature.- Relation betw. electric. & light, 3 p.- On Carnelley's hotice 1 & 1 p./23,1881/.- Beheavour of sulphate of lead in a second. battery, 2 p./25,

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The ether & its functions, 2 & 2 p. 27,1883/.- Lord Rayleigh's dark-plane, 3 p./28, id./.-
Phil. Mag. Flow of electric. in a plane conduct. surf./mit C.Foster/ 47 p./49 & 50,1875/.- Nodes & loops in connex. with chem. formulae, 9 p./50, id./ Probl.connect. with t. flow of electric. in a plane, 27 p. / 1 & 2, 1876/.- Mechan. illustrat. of electric induct. & conduct. 21 p. Do of thermoelectr. phenom., 23 p. /2 & 3, 1876 & 77/.- Modific.2./ of Mance's method of measur. battery resist. 10 p./3/.- Standard of electromot. force, 3 p./Method 1. of measur. the absolite thermal conductiv. of crystals etc.7 p./5, 1878/.-
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Ferner kleinere Aufs.& Briefe.- Vergl.auch S.P.Thompson.

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1) L.a.. Ubs. aus Va

2) L.L.a.s. Edgbas d Arc; einer

6./
d. Radioaktivität & deren Einfl. auf d. Entwicklg. d. phys. Wissensch. Becquerel- Gedächtnisrede. 2 Kontinuität. Eröffngs. Rede 217 S. Leipzig 14.-

London Roy. Instit. Proc.- A pertinacious current, 8 S./18, 1905-07/.- The ether of space, 12 S. /19, 08-10/.-

London Roy. Soc. Proc.- Syntonic wireless telegraphy.- w. specimens of large-scale measurements/ m. A. Muirhead/ 29 S./82, 09/.-

Phil. Mag. Volta's contact. force, 33 S./49, 1900/.- The density of the ether, 19 S.- On the ether & on the hypothetical magn. flow. 1 S./13, 07/.- The mode of conduct. in gases illustrated by the behaviour of elect. vacuum valves, 7 S./22, 11/.- A dynamo for maintaining elect. vibrats. of high frequency, 35 S./25, 13/.- Astronomical consequences of the elect. theory of matter, 13 & 4 S./34, 17/.- Continued discuss. of the atsron. & gravitational bearings of the elect. theory of matter, 16 S./35, 18/.-. Ether & mot., 1 S/37, 19/.- On a possible means of determining the 2 characteristic constants of the ether

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Ausserdem noch Abhdlgn. in Nature, Phil Mag. & andern Zeitschr.

Siehe H. Pecuerel & J. S. Townsend.

DSI

Sir Oliver Lodge

1851 - 19

Physiker

LODGE, Oliver Sir

A.L.S. Dated Oct.30,1912
declining an invitation
to speak

LODGE, Oliver

L. S. dated February 17,1921

LODGE (Sir Oliver Joseph, F.R.S., 1851-1940) A.L.S. (O. J. L.), University College, Liverpool, 12 Dec. 98, to 'My dear [Silvanus P.] Thompson,' 2 pages 8vo., 15s LONDON SOTHERAN 52

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149 LODGE, OLIVER J. Eng. scientist; spiritualist. ALS, 3pp. small 8vo, Liverpool, 1884. To a former student. HAMILTON-64 7.50

LODGE, Sir Oliver. Autograph Letter, signed. To H. Stanley Allen. Birmingham, 1911. GURNEY-60 £3.10.
8vo. 2 pp. Interesting letter on the definition of mass.

5799 **MASCART (Éleuthère Élie Nicolas,** *de l'Institut, prof. physics, Collège de France*) A.
(E. MASCART), Bureau Central Météorologique, Paris le 3 Nov. 1898, to Prof. Silvanus
Thompson, F.R.S., 1 closely written page 8vo., £1, 10*s*

'Mon cher Collègue, Je vous suis très reconnaissant des indications que vous avez bien voulu me procure

la tour en fer de Wembley, mais vous connaissez le proverbe : 'qui a bu boira.' Je profite donc, votre complai
étant inépuisable, pour vous demander si l'on pourrait se procurer une photographie de la construction dans l'ét
elle se trouvait lors de l'arrêt des travaux. Autre question plus scientifique—Dans votre ouvrage sur l'electro-ai
au chapitre 'Procédés d'aimantation,' vous signalez une Méthode d'Æpinus, dite de la *touche circulaire*. Cett
pression m'a laissé rêveur, parceque je ne connais pas la susdite méthode et je n'ai pas deviné comment on opère

Giving personal information and a list of the societies by whom he was elected, but enjoining his
respondent 'to cut out whatever you may deem it desirable for you to exclude.'

1041 **YOUNG (John Radford,** *prof. math., Belfast Coll.*) A.L.S., Belfast, Sep. 11, 1845
Sir J. W. Lubbock, F.R.S., 1 p. 8vo., £1, 10*s*

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291 **LEUCKART, Rudolf.** Ueber die Morphologie und die Verwand
schaftsverhältnisse der wirbellosen Thiere. Ein Beitrag zur Chara
teristik und Classification der thierischen Formen. Brunswick, 184